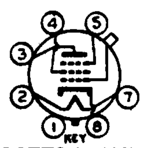
6S7, 6S7-G

TRIPLE-GRID SUPER-CONTROL AMPLIFIER

Heater ■	Coated Unipotential Cathode		
Voltage	6.3		a-c or d-c volts
Current	0.15		amp.
	6S7	6S7-G	
Direct Interelectrode Cap.	▲	▲▲	
Grid to Plate	0.005 max.	0.008 max.	μμf
Input	6.5	4.4	μμf
Output	10.5	8	μμf
Overall Length	3-1/8" max.	4-7/32" to 4-15/32"	
Maximum Diameter	1-5/16"	1-9/16"	
Bulb	Metal Shell, MT-8	ST-12	
Cap	Miniature	Skirted Min.	
Base	Small Wafer Octal 7-Pin	Small Shell Octal 7-Pin	
Basing Designation	7R	G-7R	

Pin 1 {6S7, Shell; 6S7-G, No Con.
Pin 2 - Heater
Pin 3 - Plate
Pin 4 - Screen



BOTTOM VIEW

Pin 5 - Suppressor
Pin 7 - Heater
Pin 8 - Cathode
Cap - Grid

Mounting Position: Any

AMPLIFIER - Class A_1

Plate Voltage		300 max.	volts
Screen Voltage		100 max.	volts
Screen Supply Voltage		300 max.	volts
Grid Voltage		0 min.	volts
Plate Dissipation		2.25 max.	watts
Screen Dissipation		0.25 max.	watt
Typical Operation:			
Plate	135	250	volts
Screen	67.5	100	volts
Grid	-3	-3	volts
Suppressor	Connected to cathode at socket		
Plate Res. (approx.)	1	1	megohm
Transcond.	1250	1750	μmhos
Transcond.	10●	10△	μmhos
Plate Cur.	3.7	8.5	ma.
Screen Cur.	0.9	2	ma.

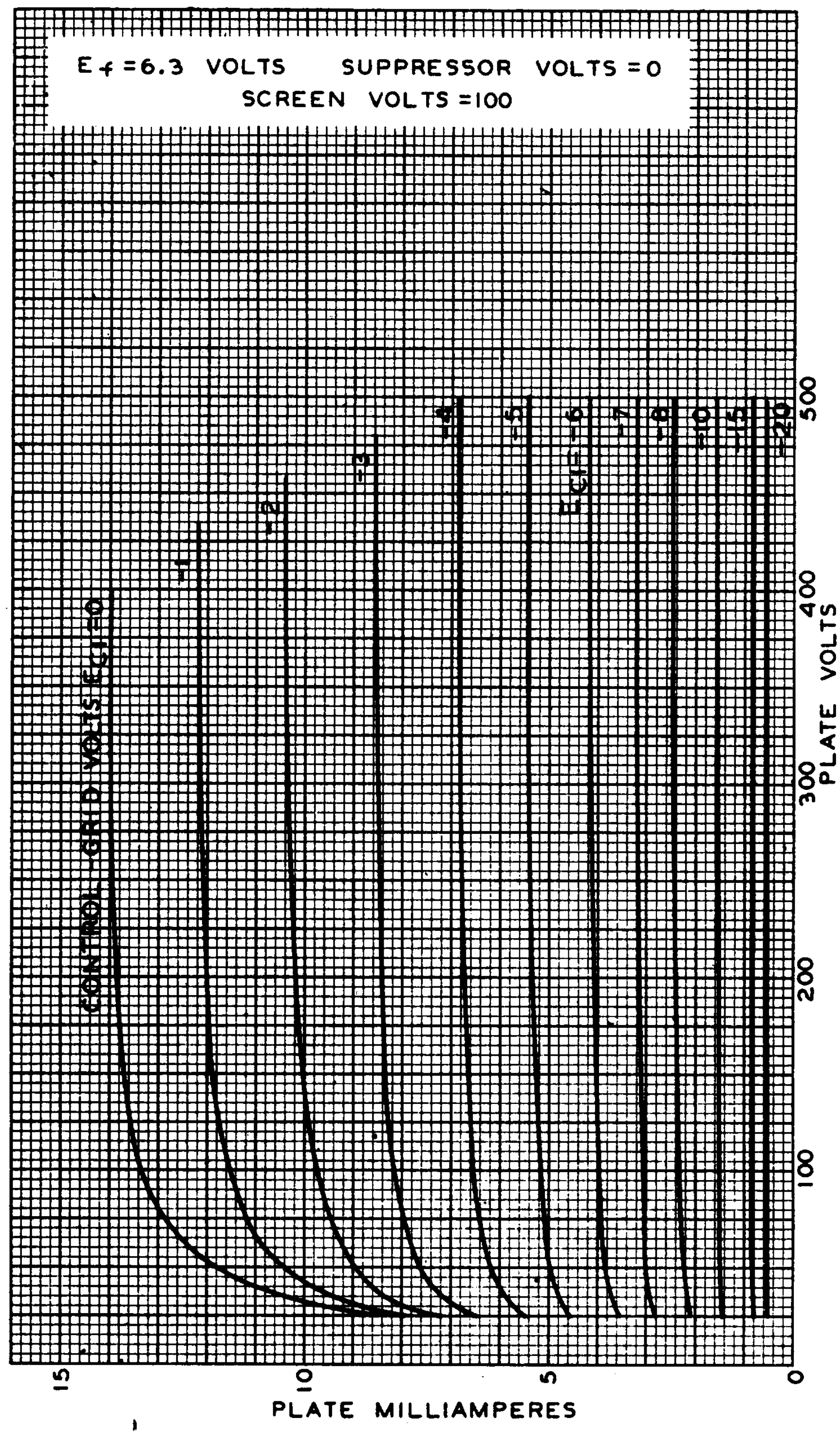
■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
▲ With shell connected to cathode.
▲▲ With close-fitting shield connected to cathode.
● With grid bias of -25 volts. △ With grid bias of -38.5 volts.

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

6S7

6S7

AVERAGE PLATE CHARACTERISTICS



JAN. 17, 1938

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92C-4868